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Hal Woodward

703-560-7150

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FAX

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From: Lloyd H. Woodward  
Serial No. 666,009

To: Hoang Nguyen

Dear Sir,

Please accept the following pages as replacement for the application number 20050001774. I have attempted to follow the example, which you sent to me.

Best,

Lloyd H. Woodward, Sr.

Pages including this page - 11

P.S. - This includes the abstract on a single page.

Thank You

LH W

**Lloyd H. Woodward**  
**Serial number: 666,009**

### **Abstract**

A flexible multi-layered metallic tape for deflecting and blocking the RF radiation emitted by various antennas, particularly those used on cellular telephones, satellite telephones or military field radio-phones. Shaping of device around antenna causes multiple effects, including protecting the human user from harmful radiation, for military applications makes RF hard to DF and causes minor amplification of received signals by concentrating them on to antenna. The outer most part of the deflector shield should be made of a solid lead or gold tape that is six thousandths thick and 1/2" wide wherein a 1" length would weigh 1/4 gram. The outer most part would have an insulating flexible adhesive for cladding it to the next inner part. The first inner part of the shield should be made of solid copper foil. Best results coming from a foil that is at least three thousandths thick. Aside from having the outer most part cladded in parallel to it, it would have an insulating flexible adhesive for cladding it to the next inner part. The second inner part layer should be formed from 80 mesh 100% copper metal fabric; as shown in the drawing Figure 3 - Part 3. Aside from having the first inner part cladded in parallel to it, it would have an insulating flexible adhesive for attaching the shield to the mobile telephone, covered by a non-stick peel-off paper.

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20050001774

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**United States Patent Application****Kind Code****Woodward, Lloyd Harold**

January 6, 2005

**Flexible multi-cladded metallic tape for forming parabolic shaped magnetic field and energy deflecting devices**

Inventors **Woodward, Lloyd Harold; (Dunn Loring, VA)**

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Address:      22027-1001  
Serial      US  
No.:      666009  
Series      10  
Code:      Filed:      September 21, 2003

**U.S. Current Class:**

343/702; 343/841

**U.S. Class at Publication:**

343/702; 343/841

**Intern'l Class:**

H01Q 001/24; H01Q 001/52

**Abstract**

A flexible multi-layered metallic tape for deflecting and blocking the RF radiation emitted by various antennas, particularly those used on cellular telephones, satellite telephones or military field radio-phones. Shaping of device around antenna causes multiple effects, including protecting the human user from harmful radiation, for military applications makes RF hard to DF and causes minor amplification of received signals by concentrating them on to antenna. The outer most part of the deflector shield should be made of a solid lead or gold tape that is six thousandths thick and 1/2" wide wherein a 1" length would weigh 1/4 gram. The outer most part would have an insulating flexible adhesive for cladding it to the next inner part. The first inner part of the shield should be made of solid copper foil. Best results coming from a foil that is at least three thousandths thick. Aside from having the outer most part cladded in parallel to it, it would have an insulating flexible adhesive for cladding it to the next inner part. The second inner part layer should be formed from 80 mesh 100% copper metal fabric; as shown in the drawing Figure 3 - Part 3. Aside from having the first inner part cladded in parallel to it, it would have an insulating flexible adhesive for attaching the shield to the mobile telephone, covered by a non-stick peel-off paper.

**3 Claims, 4 Drawing Sheets**